Fig. 1

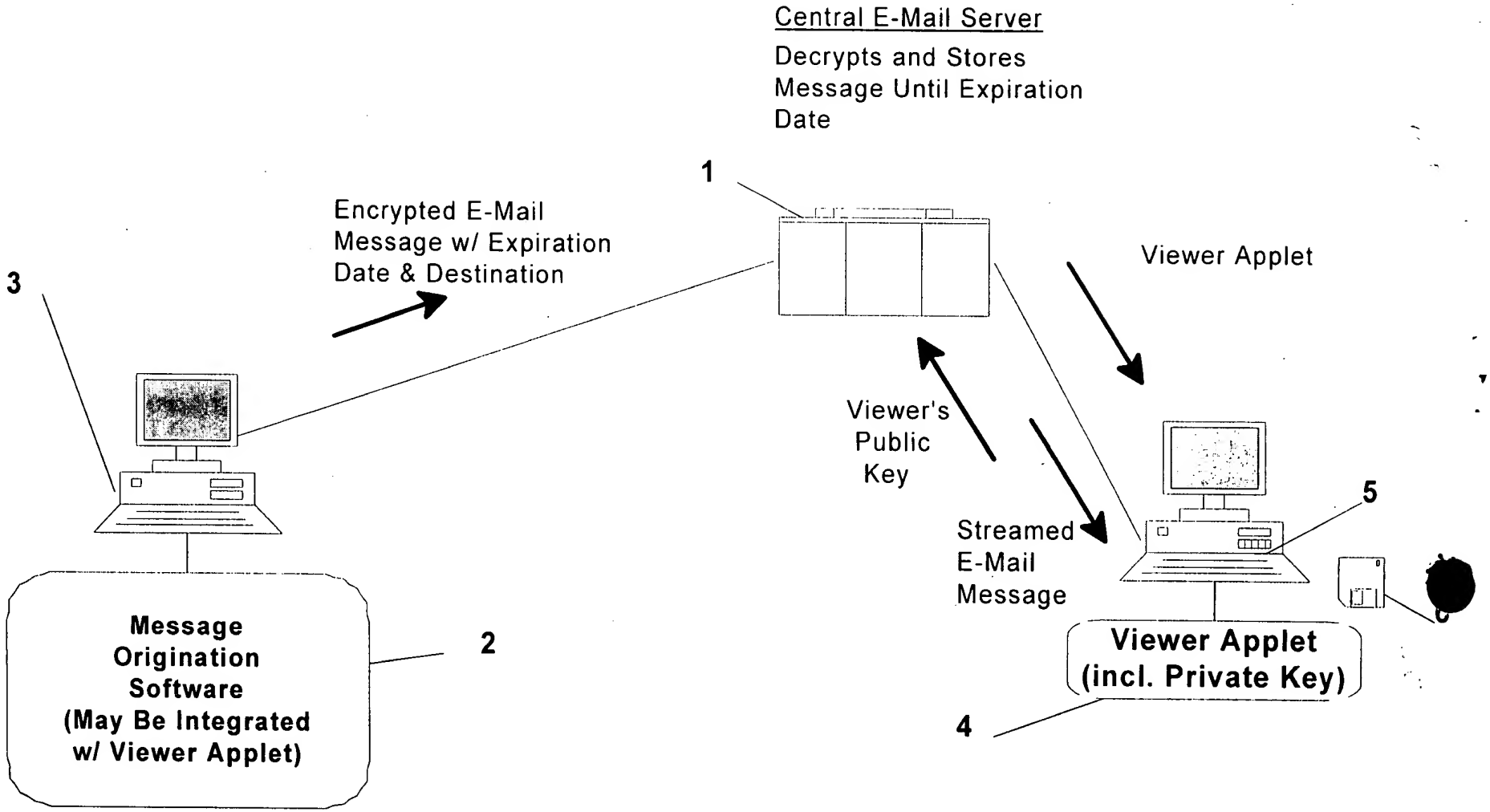

Central E-Mail Server
Decrypts and Stores Message Until Expiration Date
1
Encrypted E-Mail Message w/ Expiration Date & Destination
Viewer Applet
3
Viewer's Public Key
Streamed E-Mail Message
5
Message Origination Software (May Be Integrated w/ Viewer Applet)
2
Viewer Applet (incl. Private Key)
4

Fig. 2

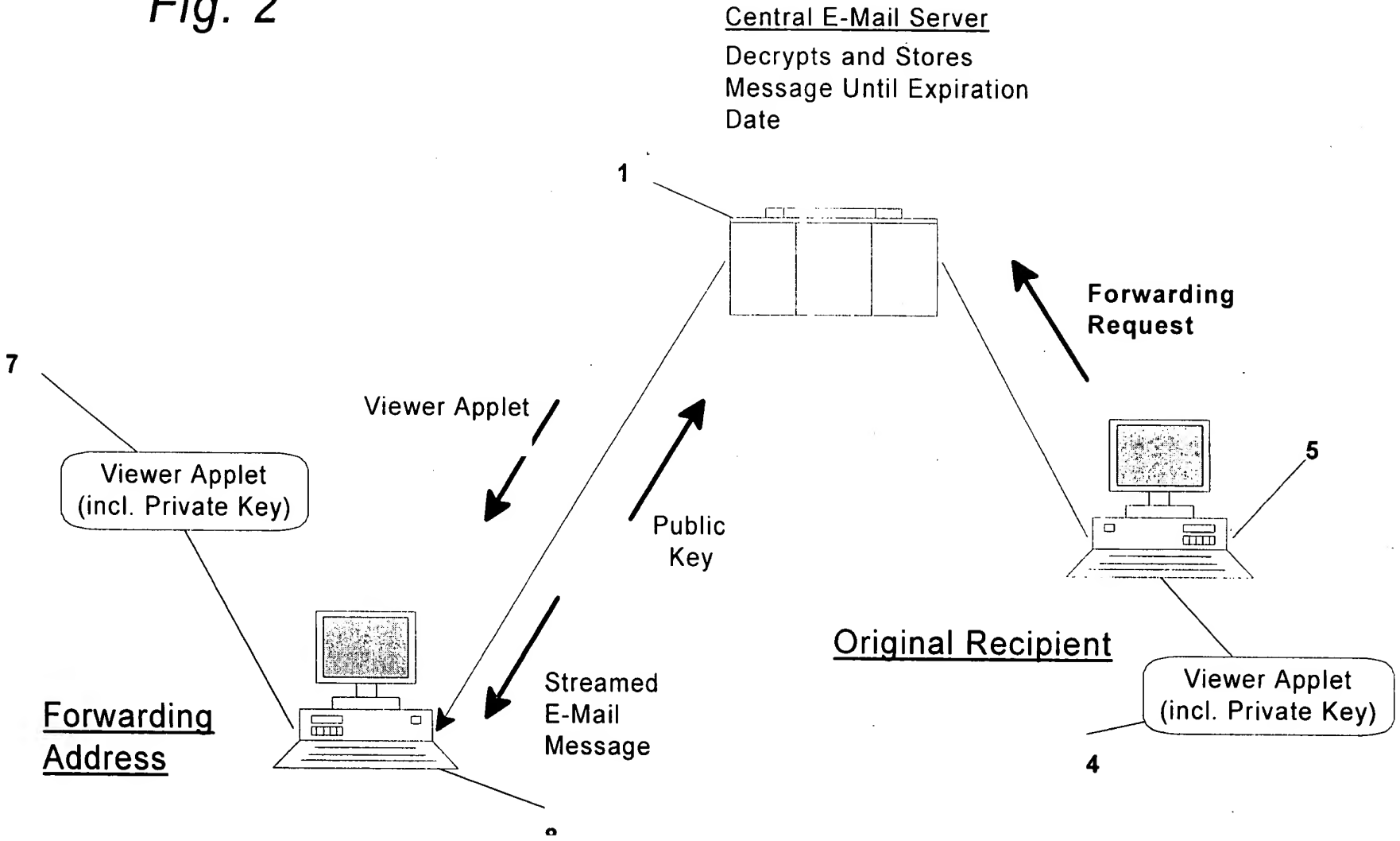
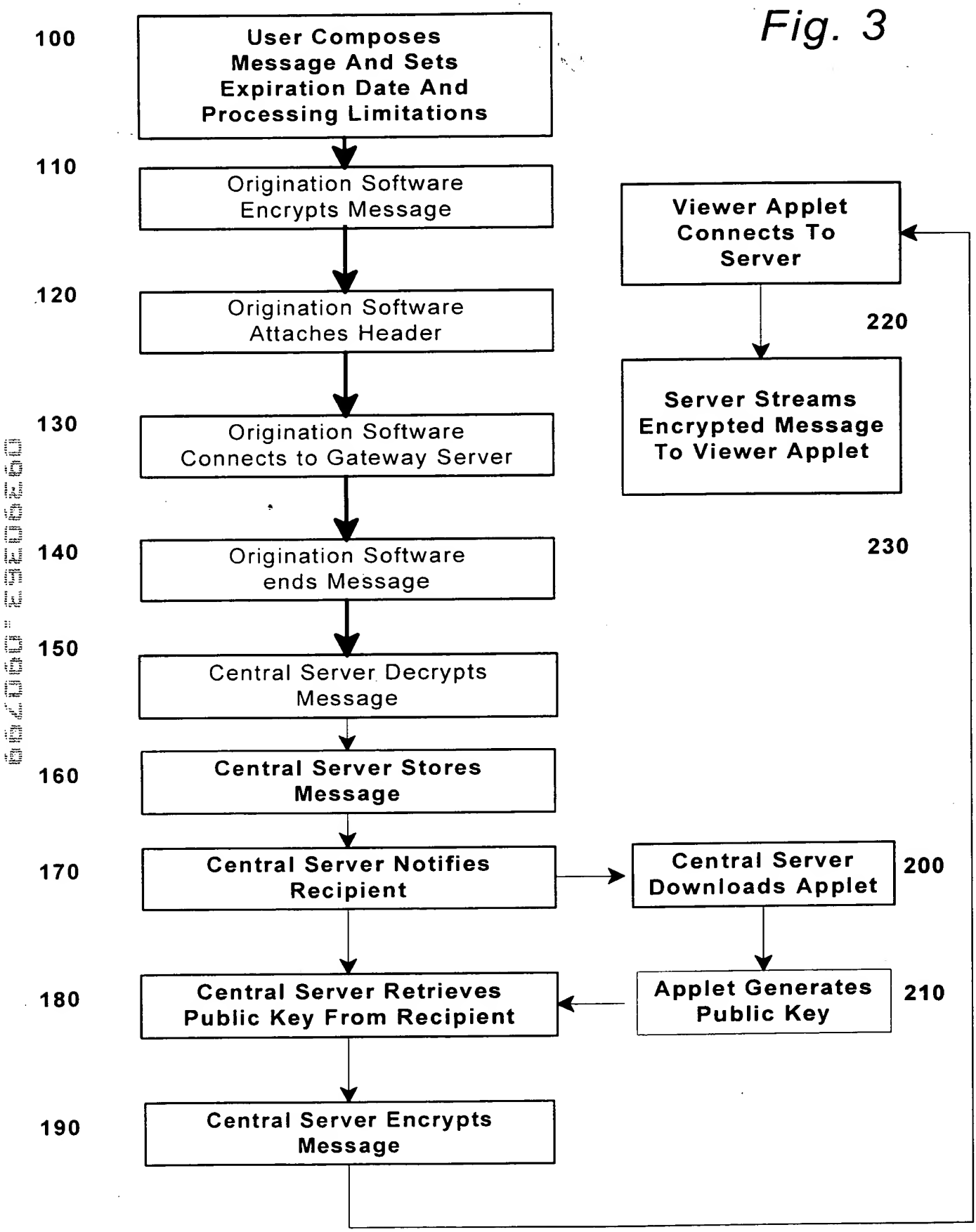

Central E-Mail Server
Decrypts and Stores Message Until Expiration Date
1
Forwarding Request
7
Viewer Applet
Viewer Applet (incl. Private Key)
Public Key
5
Streamed E-Mail Message
Original Recipient
Forwarding Address
Viewer Applet (incl. Private Key)
4

Fig. 3


100
User Composes Message And Sets Expiration Date And Processing Limitations
110
Origination Software Encrypts Message
120
Origination Software Attaches Header
130
Origination Software Connects to Gateway Server
140
Origination Software ends Message
150
Central Server Decrypts Message
160
Central Server Stores Message
170
Central Server Notifies Recipient
180
Central Server Retrieves Public Key From Recipient
190
Central Server Encrypts Message
Viewer Applet Connects To Server
220
Server Streams Encrypted Message To Viewer Applet
230
Central Server Downloads Applet
200
Applet Generates Public Key
210

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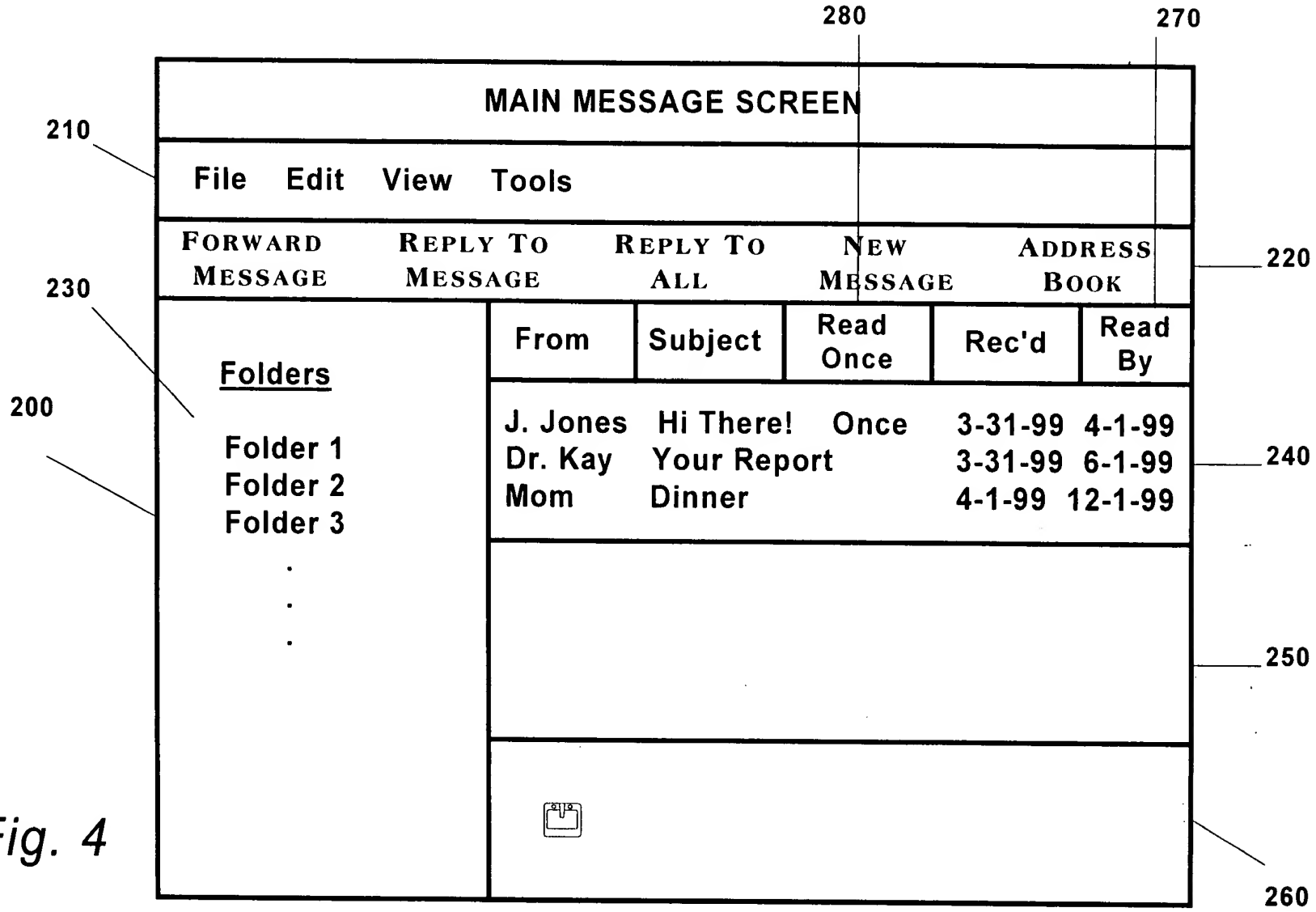

Fig. 4

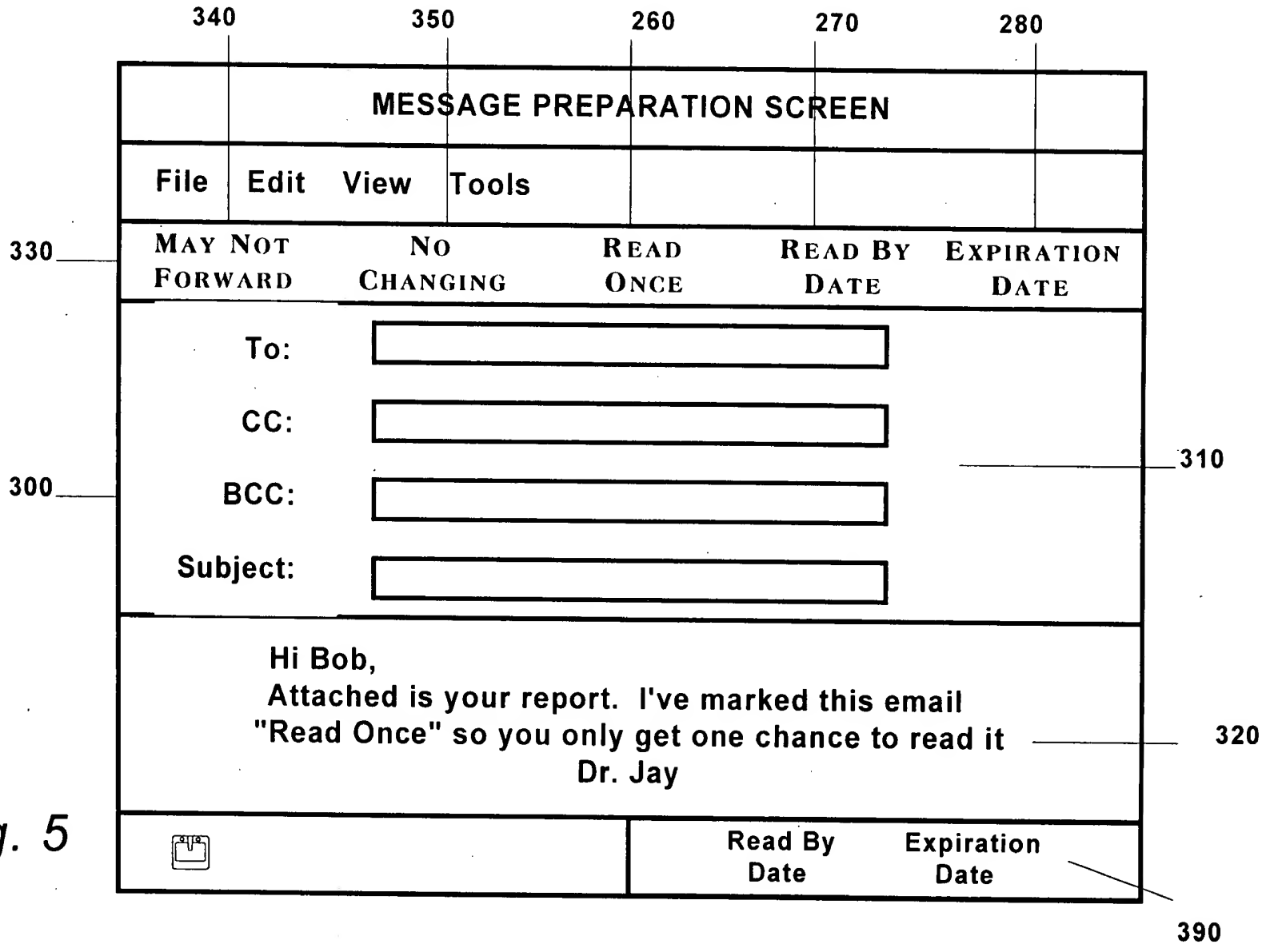
340
350
260
270
280
MESSAGE PREPARATION SCREEN
File
Edit
View
Tools
330
MAY NOT FORWARD
NO CHANGING
READ ONCE
READ BY DATE
EXPIRATION DATE
To:
CC:
BCC:
Subject:
310
300
Hi Bob,
Attached is your report. I've marked this email
"Read Once" so you only get one chance to read it
Dr. Jay
320
Read By Date
Expiration Date
390

Fig. 5

Fig. 6

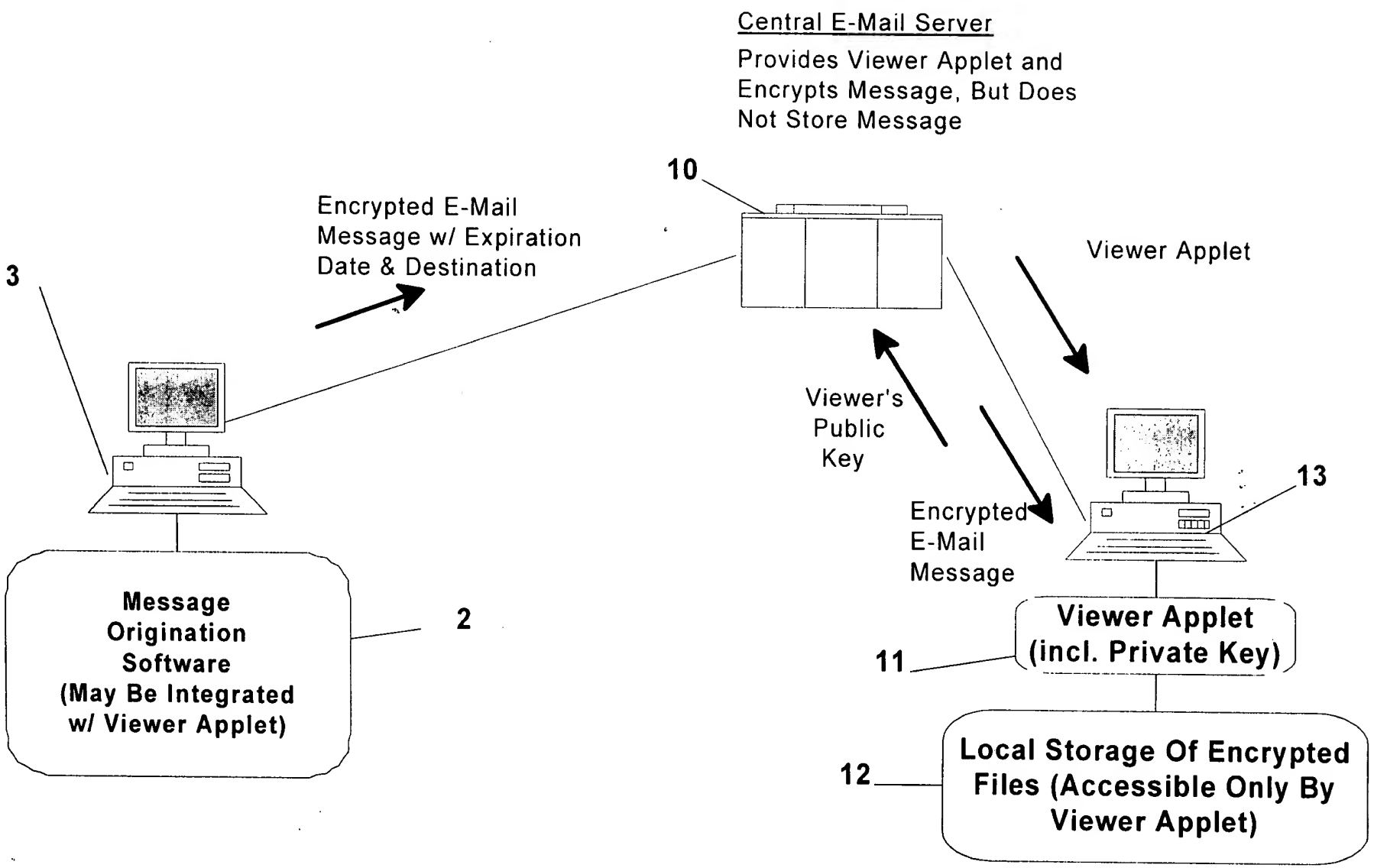
Central E-Mail Server
Provides Viewer Applet and Encrypts Message, But Does Not Store Message
10
Encrypted E-Mail Message w/ Expiration Date & Destination
3
Viewer Applet
Viewer's Public Key
Encrypted E-Mail Message
13
Message Origination Software (May Be Integrated w/ Viewer Applet)
2
Viewer Applet (incl. Private Key)
11
Local Storage Of Encrypted Files (Accessible Only By Viewer Applet)
12

Fig. 7

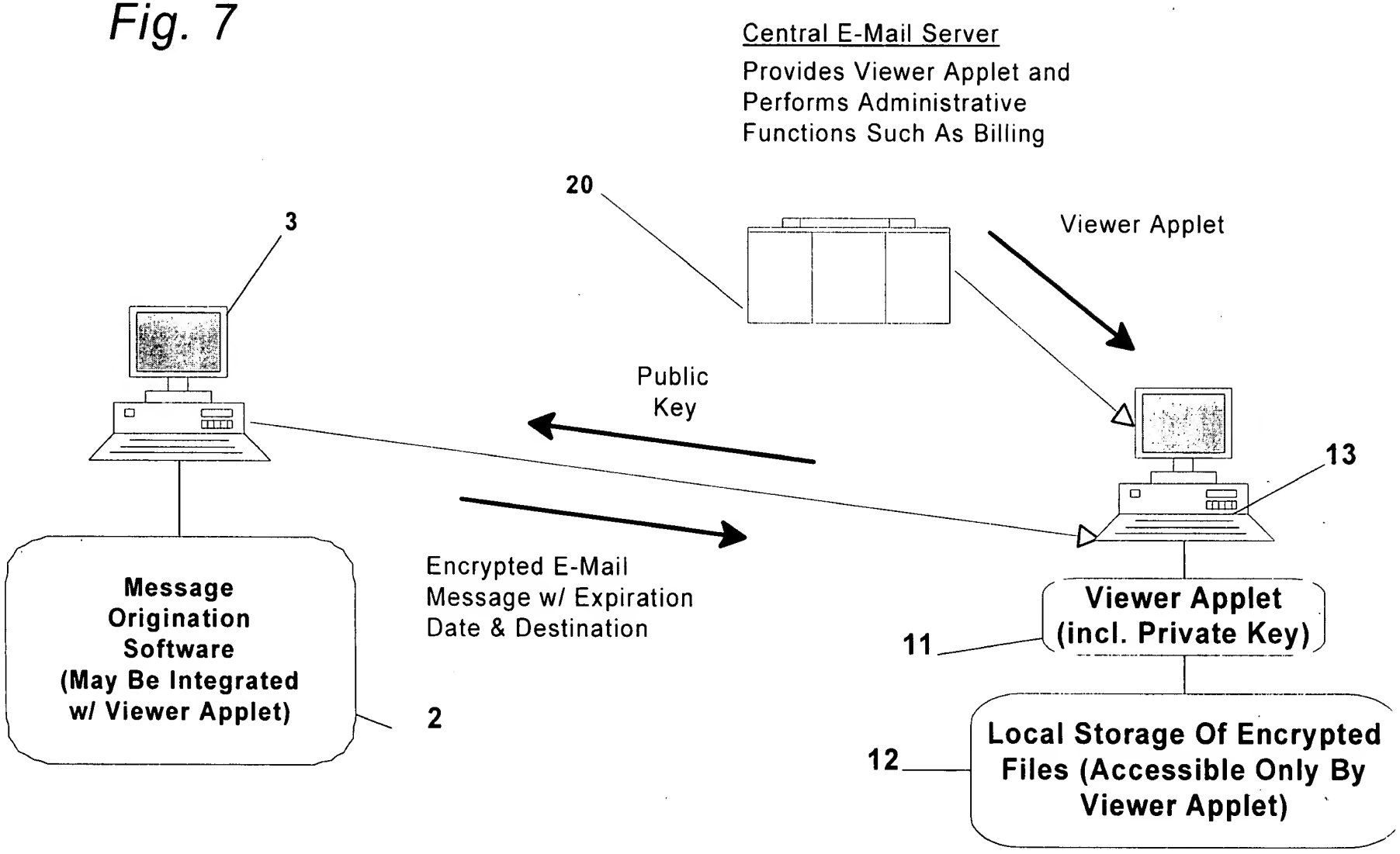
Central E-Mail Server
Provides Viewer Applet and Performs Administrative Functions Such As Billing
20
3
Viewer Applet
Public Key
13
Message Origination Software (May Be Integrated w/ Viewer Applet)
2
Encrypted E-Mail Message w/ Expiration Date & Destination
Viewer Applet (incl. Private Key)
11
Local Storage Of Encrypted Files (Accessible Only By Viewer Applet)
12

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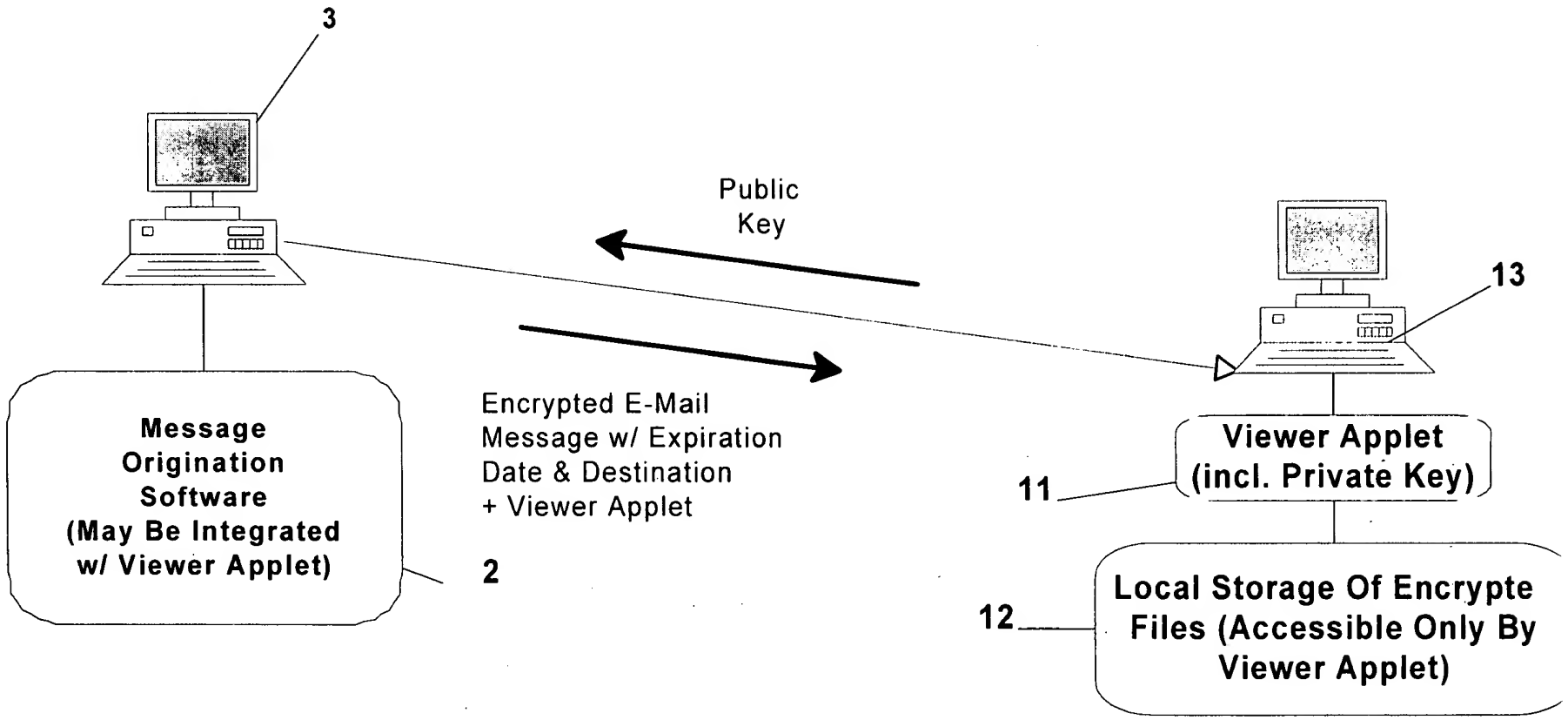
Fig. 8



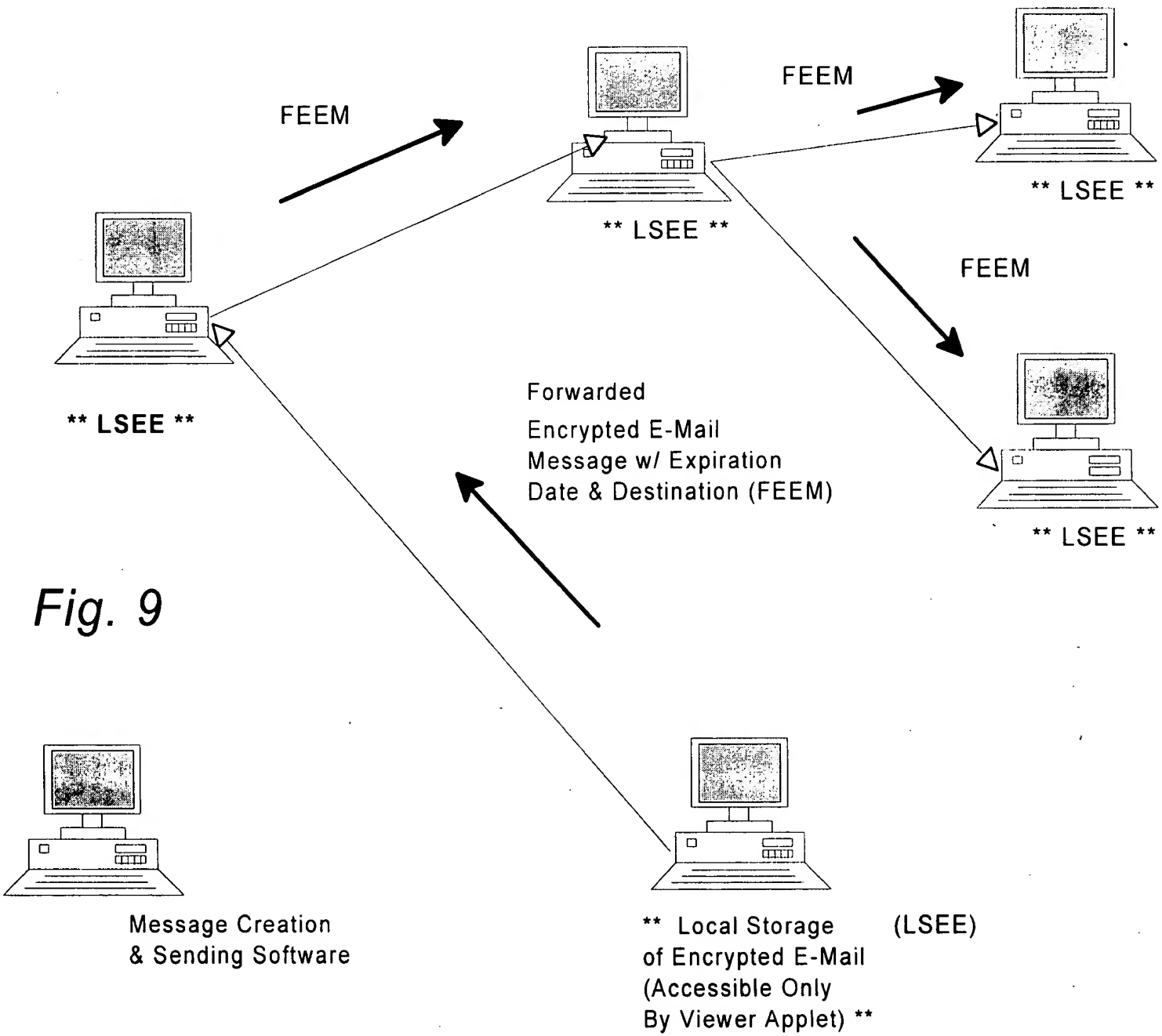
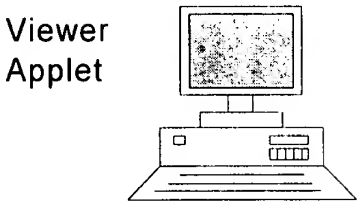
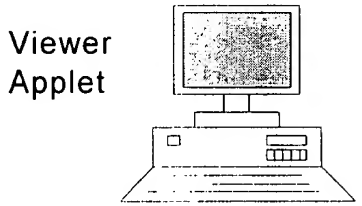

FEEM
FEEM
FEEM
** LSEE **
** LSEE **
** LSEE **
** LSEE **
Forwarded
Encrypted E-Mail
Message w/ Expiration
Date & Destination (FEEM)
Message Creation
& Sending Software
** Local Storage (LSEE)
of Encrypted E-Mail
(Accessible Only
By Viewer Applet) **

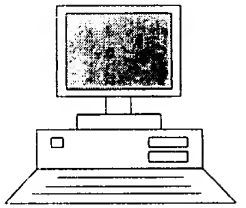
Fig. 9



** DEAR JOHN... **

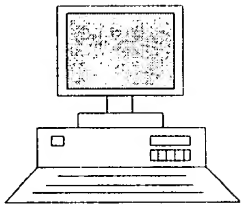


** DEAR JOHN... **

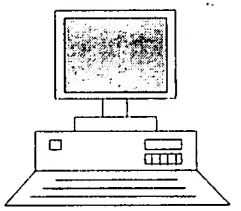


** DEAR JOHN... **

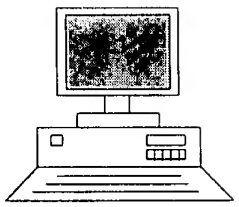
Fig. 10



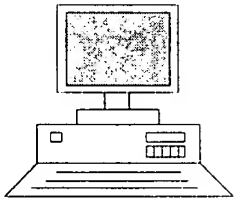
** DEAR JOHN... **



** DEAR JOHN... **



Message Creation
& Sending Software



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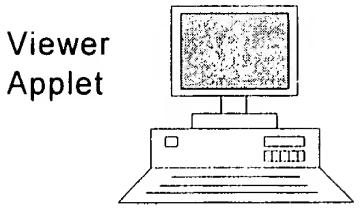

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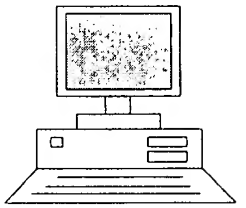

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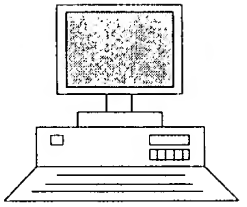
Fig. 11



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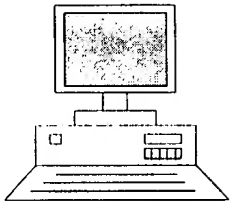

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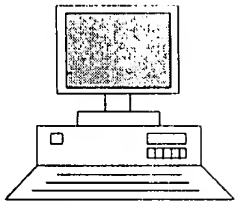

Message Creation
& Sending Software